

marked (Amended) and claims not amended are marked (Unchanged).

sub-b1)  
A1  
1. (Amended) A multimedia data distribution system, comprising:  
a distribution system adapted to distribute and deliver public network protocol signals to the level of an individual tree-type wiring home network bus;

a micro-PBX connected to the distribution system and to the tree-type wiring home network bus; and

a converter connected to the tree-type wiring home network bus and having an outlet adapted for connecting to conventional single media and multimedia electronic devices;

wherein the micro-PBX is adapted to translate between the public network protocol and a Local Area Network (LAN) protocol on the tree-type wiring home network bus, and to manage the tree-type wiring home network bus as a [carrier multiple access points] non-isochronous type bus, and the converter is adapted to convert signals on the tree-type wiring home network bus to a form required by one of the single media and multimedia electronic devices.

2. (Unchanged) The multimedia data distribution system of claim 1 wherein the single and multimedia electronic devices include telephones, personal computers, fax machines, and televisions running through set top boxes.

AP sub-b2)  
3. (Amended) A home network system, comprising:

a micro-PBX having an inlet port and connected to a tree-type wiring home network bus; and

a converter connected to the tree-type wiring home network bus and having an outlet adapted for connecting to conventional single media and multimedia electronic devices;

AR wherein the micro-PBX is adapted to translate between a public network data protocol at the inlet port and a Local Area Network (LAN) data protocol on the tree-type wiring home network bus, and to manage the tree-type wiring home network bus as a non-isochronous [carrier multiple access points] type bus, and the converter is adapted to convert signals on the tree-type wiring home network bus to a form required by one of the single media and multimedia electronic devices.

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4. (Unchanged) The home network system of claim 1 wherein the single and multimedia electronic devices include telephones, personal computers, fax machines, and televisions running through set top boxes.